

FIG. 1A

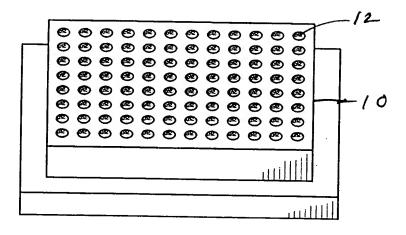


FIG. 1B

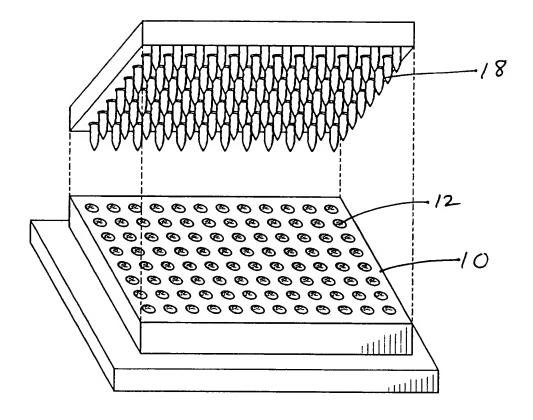
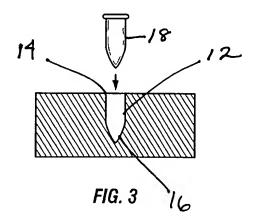


FIG. 2



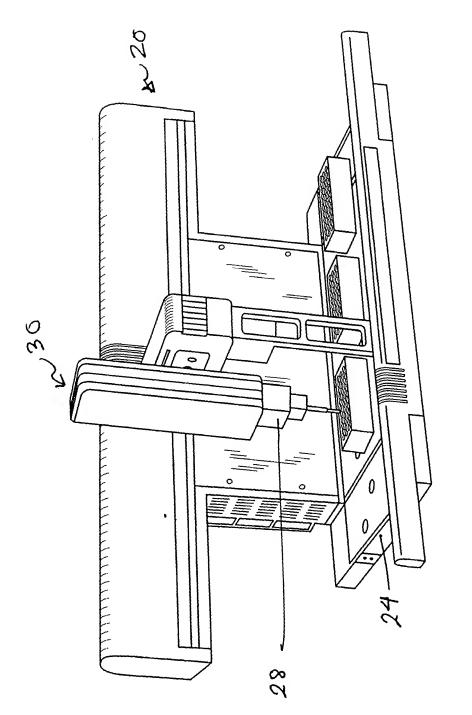


FIG. 4

Relative Quantitation Summary

Experiment Id: 132532

Description: this experiment was performed in order to test the effectiveness of the RT when plates are run in the Twister at room temperature in light

Label:
Experiment Date:
Outlier Cutoff (%CV):
SDS CALCULATOR v1.0.23

| Sample Relative Qua | antitation | | | | | | |
|--|---------------|------|--------|--------|-----|-----|-------|
| Group | Sample | Gene | Gene 3 | Gene 4 | | | |
| normal | _ | 1.0 | 1.00 | 1.00 | | | |
| vehicle | 2 | 19.0 | 6.08 | 3.70 | | | |
| Group Relative Qua | Intitation | | | | | | |
| Gene | Group | ĺ | Mean | Median | SEM | %C^ | StDev |
| Gene 2 | normal | Ī | 1.00 | 1.00 | N/N | A/N | N/A |
| | vehicle | | 19.08 | 19.08 | A/N | A/N | A/Z |
| Gene 3 | normal | | 1.00 | 1.00 | A/N | A/N | N/A |
| | vehicle | | 90'9 | 6.08 | A/N | A/N | A/Z |
| Gene 4 | normal | | 1.00 | 1.00 | A/N | A/N | A/Z |
| | vehicle | | 3.70 | 3.70 | A/Z | N/A | A/Z |
| Group To Comparator Group Relations | oup Relations | | | | | | |
| | Comparator | | | | | | |
| Group | Group | | | | | | |
| normal | normaí | | | | | | |
| vehicle | normal | | | | | | |
| Amplification Efficiency Constants | y Constants | | | | | | |
| | Constant | | | | | | |
| Gene | Value | | | | | | |
| Gene 2 | 1.00 | | | | | | |
| Gene 3 | 1.00 | | | | | | |
| Gene 4 | 1.00 | | | | | | |

| RT | 1.00 1.00 N/A N/A | |
|---|--|---|
| of the | MEAN REDIAN STDEV SEM | |
| Description; this experiment was performed in order to test the effectiveness of the RT when plates are run in the Twister at room temperature in light | Relative n Quantitative n MEAN MEDIAN STDEV SEM | 1.00 |
| to test the light | <u>AACT</u> | 0.00 |
| order ature in | <u>ACT</u> | 4.60 4.60 |
| med in | * * | |
| s perfor at room | * | ormal |
| iment war | %CV | 22.21 0.3 MEDIAN ACT normal MEAN ACT normal |
| s experi | AVE | 22.21 MEDIA MEAN |
| Description; this experiment was performed in order to tes when plates are run in the Twister at room temperature in light | CT 22.20 22.13 22.29 22.29 22.17 22.23 22.23 22.23 22.23 22.23 22.23 | |
| Descri when p | * * | |
| | * | 9.0 |
| | %CV | |
| 132532 twister test 8/1/2002 2 1 | VI.0.23 | 17.61 |
| i: iency | Endo CT 17.81 17.80 17.72 17.62 17.62 17.54 17.54 17.58 | 17.52 17.64 17.51 |
| Experiment Id: Label: Experiment Date: Outlier Cutoff (%CV): FPR Amp. Efficiency | Group | l normal |
| Experiment Id: Label: Experiment Date: Outlier Cutoff (% FPR Amp. } | SDS CAL | · |

^{*&}quot;X" - flagged for review

** "X" - removed from calculations

| he RT | | 1 19.08 19.08 N/A N/A | |
|---|--|---|-----------|
| Description: this experiment was performed in order to test the effectiveness of the RT when plates are not in the Twister at room temperature in light | | Relative Ouantitative n MEAN MEDIAN STDEV SEM | 19.08 |
| to test tl n light | 0 | AACT | -4.25 |
| in order erature i | | <u>ACT</u> | |
| formed and temp | L | * * D | 0.34 |
| vas per er at roc | | ** | |
| riment v | | AD% | 0.4 |
| this expe | | CT | 17.92 |
| Description: this experiment was performed in order to tes when plates are run in the Twister at room temperature in light | | CT 18.04 18.05 17.95 17.98 17.90 17.85 17.91 17.91 17.93 17.85 17.85 | 17.86 |
| Desc | | * | |
| | | * | |
| | st | ACA | 0.7 |
| 132532 | twister test 8/1/2002 2 1 v1.0.23 | Avg | 17.57 |
| | V): iciency R | Endo CT 17.80 17.84 17.54 17.54 17.58 17.59 17.65 17.65 17.65 17.65 | 17.83 |
| nent Id: | Label: Experiment Date: Outlier Cutoff (%CV): FPR Amp. Efficiency Const.: SDS CALCULATOR | Group | 2 vehicle |
| Experiment Id: | Expo Outlier Co FPR A Const.: SDS CAL | Sample | |

*"X" - flagged for review

** "X" - removed from calculations

| Experiment Id: | 132532 | Description: this experiment was performed in order to test the effectiveness of the RT when plates are run in the Twister at room temperature in light |
|-----------------------|--------------|---|
| Label: | twister test | |
| Experiment Date: | 8/1/2002 | |
| Outlier Cutoff (%CV): | 2 | |
| FPR Amp. Efficiency | _ | |
| Const.: | | |
| SDS CALCULATOR | v1.0.23 | |

| 1.00 1.00 N/A N/A | |
|---|--------------------------------------|
| Relative n MEAN MEDIAN STDEV SEM 1.00 | |
| 0.00 | |
| <u>∆CT</u> 3.43 | 3.43 3.43 |
| * \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | - |
| %CV A∗ 0.4 | MEDIAN ∆CT normal MEAN ∆CT normal |
| Avg CT CT 21.04 | MEDI |
| 21.06 21.04 21.04 21.01 20.91 20.92 21.08 20.92 21.08 21.08 21.08 21.01 21.08 21.10 21.10 21.10 21.10 | |
| <u>**</u> | |
| Avg CT (CT (CT (CT (CT (CT (CT (CT (CT (CT | |
| Endo CT 17.81 17.80 17.72 17.60 17.54 17.50 17.54 17.50 17.53 17.53 17.55 17.55 | |
| Group I normal | |
| Sample | |

^{*&}quot;X" – flagged for review

** "X" – removed from calculations

Description: this experiment was performed in order to test the effectiveness of the RT when plates are run in the Twister at room temperature in light 132532 Experiment Id:

twister test 8/1/2002 Label:
Experiment Date:
Outlier Cutoff (%CV):
FPR Amp. Efficiency

v1.0.23 Const.: SDS CALCULATOR

| | 19.08 | 19.08 | N/A | N/A | | | | | | | | | |
|--------------------------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------|
| Relative Quantitative | MEAN | MEDIAN | STDEV | SEM | | | | | | | | | 80.9 |
| AACT | | | | | | | | | | | | | -2.60 |
| <u>∆CT</u> | | | | | | | | | | | | | |
| ** | | | | | | | | | | | | | 0.83 |
| * | | | | | | | | | | | | | |
| %CA | | | | | | | | | | | | | 0.4 |
| Avg | | | | | | | | | | | | | 18.40 |
| CT 18 47 | 18.55 | 18.43 | 18.41 | 18.44 | 18.38 | 18.41 | 18.32 | 18.35 | 18.34 | 18.33 | 18.36 | 18.48 | 18.35 |
| *1 | | | | | | | | | | | | | |
| A * | | | | | | | | | | | | | |
| %CV | | | | | | | | | | | | | 0.7 |
| Avg | | | | | | | | | | | | | 17.57 |
| Endo | 17.36 | 17.54 | 17.57 | 17.49 | 17.46 | 17.58 | 17.59 | 17.65 | 17.62 | 17.43 | 17.52 | 17.58 | 17.83 |
| Group | | | | | | | | | | | | | 2 vehicle |
| Sample | | | | | | | | | | | | | |

*"X" – flagged for review
** "X" – removed from calculations

| Description: this experiment was performed in order to test the effectiveness of the RT when plates are run | in the Twister at room temperature in light |
|---|---|
| 132532 | |
| Experiment Id: | |

| | in the Twister at roo |
|-----------------------|-----------------------|
| Label: | twister test |
| Experiment Date: | 8/1/2002 |
| Outlier Cutoff (%CV): | 2 |
| FPR Amp. Efficiency | |
| Const.: | |
| SDS CALCULATOR | v1.0.23 |
| | |

| 1.00 1.00 N/A N/A | |
|---|--------------------------------------|
| Relative Ouantitative n MEAN MEDIAN STDEV SEM 1.00 | |
| 0.00 | |
| <u>ACT</u> 14.92 | 14.92 14.92 |
| * * * * * * * * * * * * * * * * * * * | |
| * | ormal nal |
| %CV | MEDIAN ACT normal MEAN ACT normal |
| <u>Avg</u> <u>CT</u> 32.53 | MEDIA MEAN |
| 32.83 32.12 32.12 32.69 32.51 32.54 32.57 32.82 32.96 32.96 32.35 32.44 32.35 | |
| *** | |
| ************************************** | |
| %CA | |
| Avg CT 17.61 | |
| Endo CT 17.81 17.80 17.60 17.62 17.64 17.54 17.54 17.56 17.56 17.56 17.56 17.56 17.56 | |
| Group I normal | |
| Sample | |

^{*&}quot;X" - flagged for review
** "X" - removed from calculations

| lates are run | |
|--------------------------|---|
| n plates | |
| RT whe | |
| of the | |
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| n order | |
| erformed in order to tes | |
| as I | |
| experiment wa | - |
| 1: this | |
| Description | |
| 132532 | |
| Experiment Id: | |

in the Twister at room temperature in light

twister test 8/1/2002 2

Label:
Experiment Date:
Outlier Cutoff (%CV):
FPR Amp. Efficiency
Const.:
SDS CALCULATOR

v1.0.23

| | _ | 3.70 | 3.70 | A/Z | N/A | | | | | | | | | |
|--------------------------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------|
| Relative Quantitative | и | MEAN | MEDIAN | STDEV | SEM | | | | | | | | | 3.70 |
| AACT | | | | | | | | | | | | | | -1.89 |
| ∆CT | | | | | | | | | | | | | | |
| **0 | | | | | | | | | | | | | | 13.03 |
| A * | | | | | | | | | | | | | | |
| %CA | | | | | | | | | | | | | | 9.0 |
| Avg | | | | | | | | | | | | | | 30.61 |
| IJ | 30.45 | 30.53 | 30.39 | 30.41 | 30.37 | 30.47 | 30.67 | 30.75 | 30.80 | 30.57 | 30.72 | 30.93 | 30.74 | 30.71 |
| **0 | | | | | | | | | | | | | | |
| A * | | | | | | | | | | | | | | |
| %CV | | | | | | | | | | | | | | 0.7 |
| Avg | | | | | | | | | | | | | | 17.57 |
| Endo | 17.80 | 17.36 | 17.54 | 17.57 | 17.49 | 17.46 | 17.58 | 17.59 | 17.65 | 17.62 | 17.43 | 17.52 | 17.58 | 17.83 |
| Group | | | | | | | | | | | | | | 2 vehicle |
| Sample | | | | | | | • | | | | | | | |
| | | | | | | | | | | | | | | |

*"X" – flagged for review
** "X" – removed from calculations

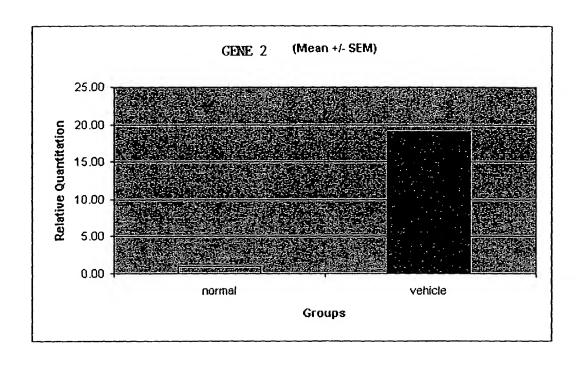


FIG 9

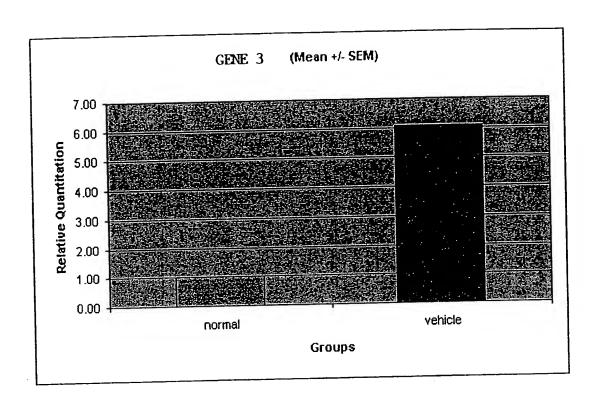


FIG 10

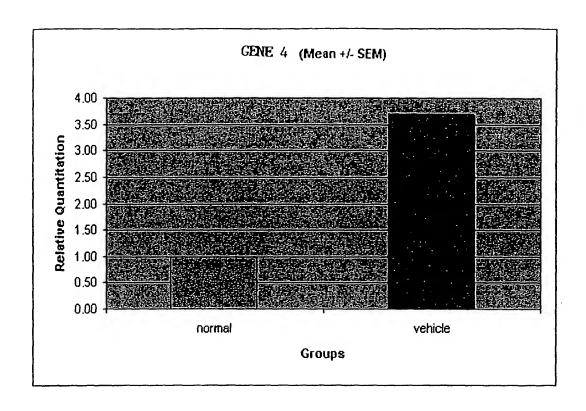
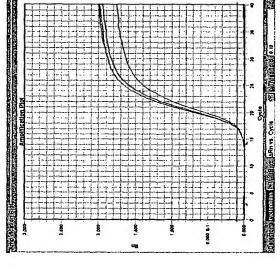


FIG 11

10.45 - 12.50 08/09/02







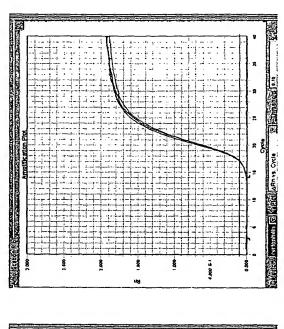
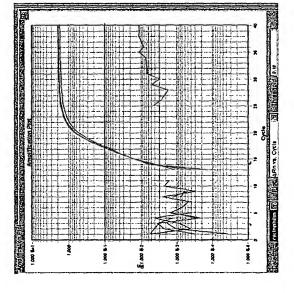


FIG 12

10.45 - 12.50 08/09/02



1:35 - 3:40 08/10/02



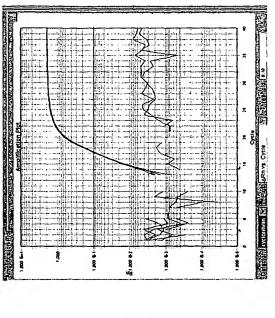


FIG 13

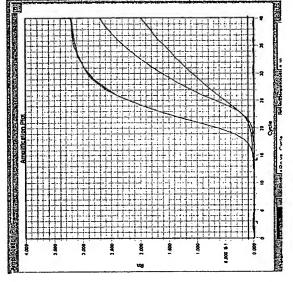
Officer Institution (2) A 110 Library. Cy

Gene B - Linear View

10.45 - 12.50 08/09/02







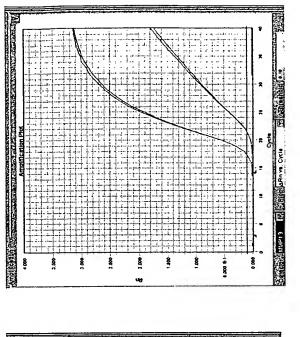
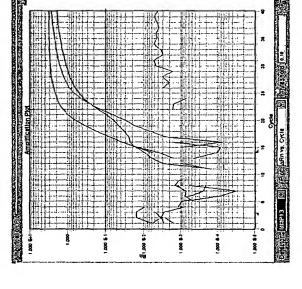


FIG 14

10.45 - 12.50 08/09/02



1:35 - 3:40 08/10/02



TOTALIGE BARPES EN BREGE ARMY. OFFI

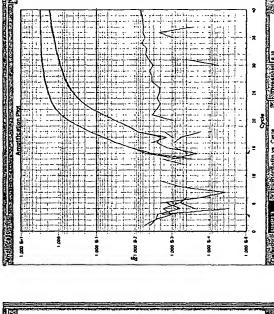


FIG 15

Gene C – Linear View

1:35 - 3:40 08/10/0219:11 - 21:1608/09/0210:45 - 12:50 08/09/02

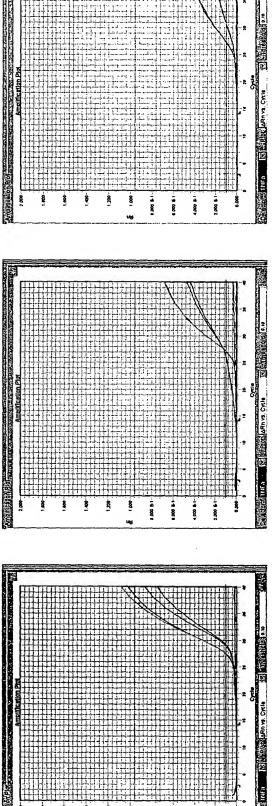


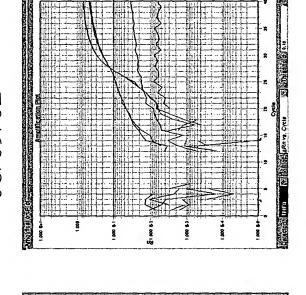
FIG 16

Gene C - Log View

10.45 - 12.50 08/09/02







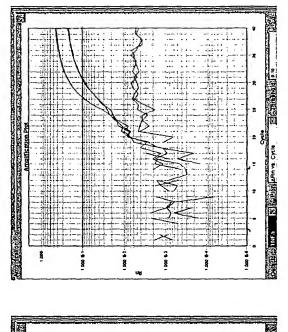


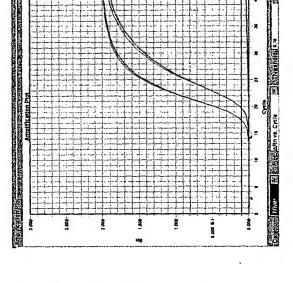
FIG 17

Gene D - Linear View

10:45 - 12:50 08/09/02







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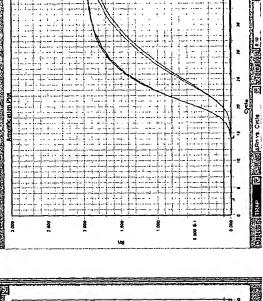
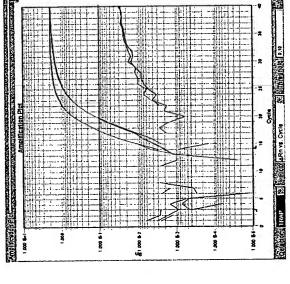


FIG 18

10.45 - 12.50 08/09/02







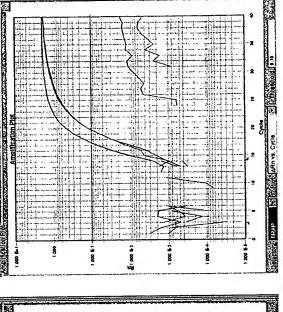


FIG 19